BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1056000.00

Name of Work:-Construction of concrete drains and concrete roads at LBS Nagar and Allalsandra in ward no 04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2016-17)								
	Desilting of drains		2	700 00	0 60	0 45	378.00		
			1	1000 00	0 90	0 60	540.00		
							918.00	83.16	76340.88
	Baisc Rate	77.00							
	Area Weighatge @ 8%	6.16							
	Total	83.16							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m specification, specification No KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2015-16**	Cum							
			1	30.00	10.00	0.25	75.00		
			1	9.00	1.50	0.90	12.15		
			1	10.00	1.70	0.30	5.10		
							92.25	288.36	26601.21
	Baisc Rate	267.00							
	Area Weighatge @ 8%	21.36							
	Total	288.36							
3	KSRB 4-1.1: Providing and laying in position plain cement concrete of nominal mix 1:3:6using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS 4.1, 4.2	**cum**							
			1 1	30.00	10.00	0.15	45.00		

			1	9.00	1.20	0.15	1.62		
			1	10.00	1.70	0.15	2.55		
	Baisc Rate	4689.00					49.17	5064.12	249002.78
	Area Weighatge @ 8%	375.12							
	Total	5064.12							
4	KSRRB M600-6. Cement concrete pavement construction unreinforcedplain cement concrete pavement, thickness as per design over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30at 380/450 kg per cum, coarse and five aggreagte confirming to IS:383, maximum zie of coarse aggregates not exeeeding 25 mm mixed in a concrete mixer of not less than 0.60 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side of 125 micron thick polythene film, wedges, steel plates incldung levelling the form work as per drawing) spreading the concrete with shovels, rackers compacted using needle, scared and plate vibrator and finished in a continous operation including provision of contraction expansion construction and longitutional joints, joint filter seperation members selant primer, joint sealant, admixtures as approved curing compound finishing to lines and grade as per drawing complete as per specification M30(at 360 kg per cum coarse aggregates @ 0.69 cum and fine aggregates @0.46 cum No 171/Item No 22.6.1 SR 2014-15)	Cum								
			1	30.00	10.00	0.15	45.00	5902.20	265599.00
	Baisc Rate	5465.00							
	Area Weighatge @ 8%	437.2							
	Total	5902.20							
5	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no13,sno4.11)	Cum							
	Culvert for bed		1	9.00	1.20	0.30	3.24		
	Side wall		2	9.00	0.30	0.90	4.86		
	Deck		1	9.00	1.20	0.23	2.48		

	Road		1	10.00	1.70	0.10	1.70		
							12.28	6198.12	76137.71
	Baisc Rate	5739.00							
	Area Weighatge @ 8%	459.12							
	Total	6198.12							
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2015-	Tonn							
	per 65 kg per cum 0.90x12.60=11.34						11.34	6528.70	74035.46
	Baisc Rate	65287.00							
7	De writing with vaccum camp and suction mat and compaction with skin flater clubbed with floaitng disc inclduing coat of Generator HOM of machinary sereed vibratory power floaterable and disc etc., with all lead and ltft Page No 171 item No 22.7 SR 2014-15	Sqm							
			1	30.00	10.00		300.00	97.20	29160.00
	Baisc Rate	90.00							
	Area Weighatge @ 8%	7.2							
	Total	97.20							
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2015-16 page no15/4.21)	Sqm							
		2x2	4	10.00		0.90	36.00		
							36.00	306.72	11041.92
	Baisc Rate	284.00							
	Area Weighatge @ 8%	22.72							
	Total	306.72							

9	Providing and constructing stand cost of size 1.20m x 1.22 m of public mountain with stone posts of size 0.45x1.22x0.10 m with top rounded with holes of 25mm size with stone pot rest of 0.45x0.30x0.20m with central dip and kerb stone 8 cms thick 20 cms wide alround with top rounded with cement concrete plat form 1:2:4 prpotion 10 cms thick and smooth finishing with cement mortor 1:3 to the exposed faces with necessary frame work and curing inclduing two line dressing to all stones exposed and construction of lead of drainss as per directions of departmental officers and necessaru earth work excavation and disposing off theexcavated earth as directed with all leads and lisft etc. complete.	Each							
			8				8.00	2923.56	23388.48
	Baisc Rate	2707.00							
	Area Weighatge @ 8%	216.56							
	Total	2923.56							
10	Providing and constructing platform in CC1:2:4 proportion using hard granite or basalt or trap jelly of 20mm down size for India Mark-III (VLOM) hand pump as per approved drawing enclosed to the SR according ti IS 13056:1991 (UNICEF standars) inclduing machine mixing, laying, tamping curing and smooth finishng to exposed faces C.M 1:3 with necessary moulds inclduing earthwork excavation with all leads for materials etc.., complete.	Each							
			8				8.00	7953.12	63624.96
	Baisc Rate	7364.00							
	Area Weighatge @ 8%	589.12							
	Total	7953.12							
11	Providing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherevr necessary as, per complete inclduing all lead & ltft etcc complete A grade (Excluding cost of fittings) 650 mm dia GI pipe (SR 15-16) PWD page No XVII code No 509 0154) B class pipe 50mm dia	Rmtr							
			8	1.50			12.00	321.00	3852.00
	Total	321.00							

12	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/ kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2016-17)	Cum							
				Vide Item No 3+4			1010.25	68.04	68737.00
	Baisc Rate	63.00							
	Area Weighatge @ 8%	5.04							
	Total	68.04							
				TOTAL					967521.39
				KRIDL 8%					77401.71
				Quality Charges 1%					9675.21
13	Miscellaneous charges								1402.00
								Total RS	1056000.00
(Rupees nineteen lakhs only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

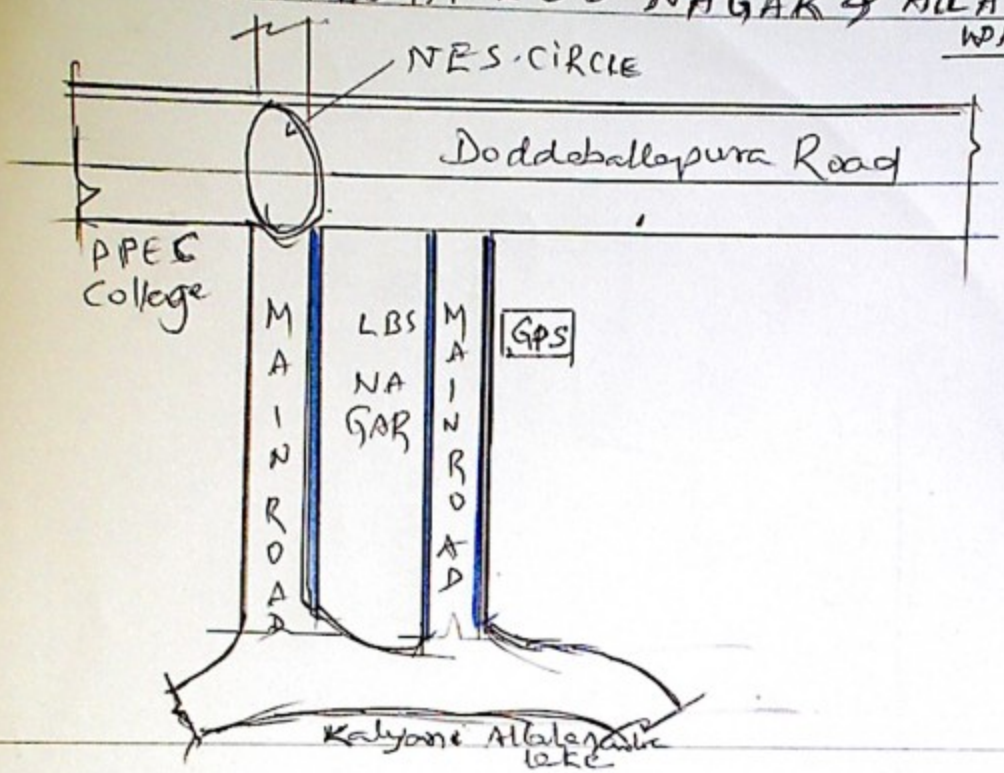
Administrative Approval
Accorded For ..10.56 lakhs..
ead of A/C.....P1878.....
(ER NO :.....92..... Dt:..06/01/17

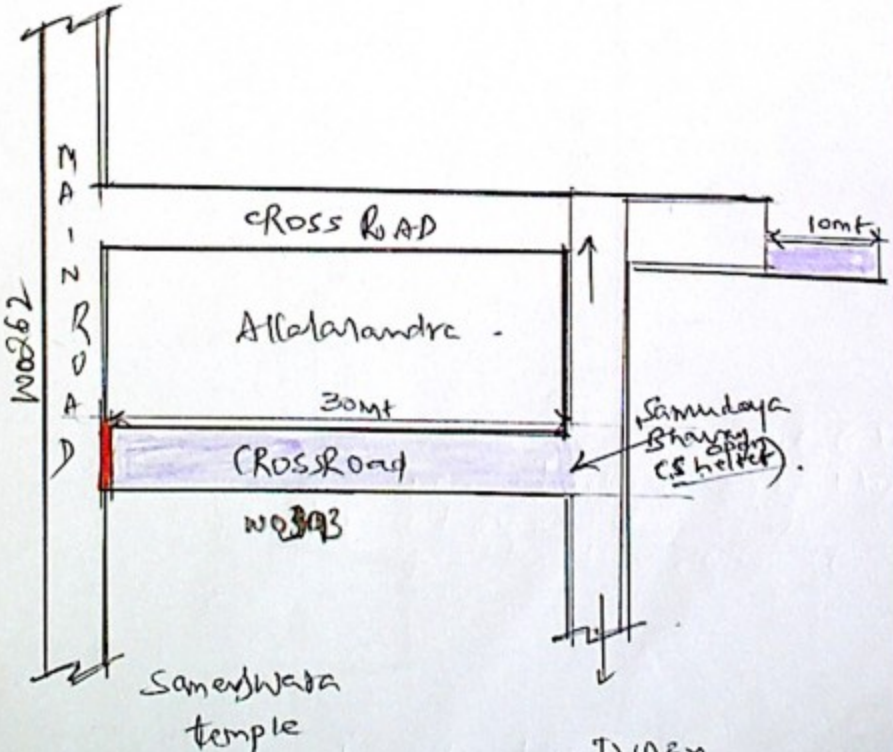
TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 10.56 lacs
Rupees Ten Lakhs Fifty Six Thousand only
Under ..... F. 1878-2015-16 .....
Registered as CE ( ) No. .....
Subject to conditions contained in enclosed memo EE ( ) No. .....
Dt. EE/YNK/TS/344/16-17
5 Dated 6-1-2017 Rs. 10.56 lacks

Executive Engineer

NAME OF WORK :- CONSTRUCTION OF CONCRETE DRAINS AND CONCRETE ROADS AT L.B.S. NAGAR & ALLALASANDRA IN WD NO. 04





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	CC Road
	Culvert
	Desilting of drains

Ramanjaneya